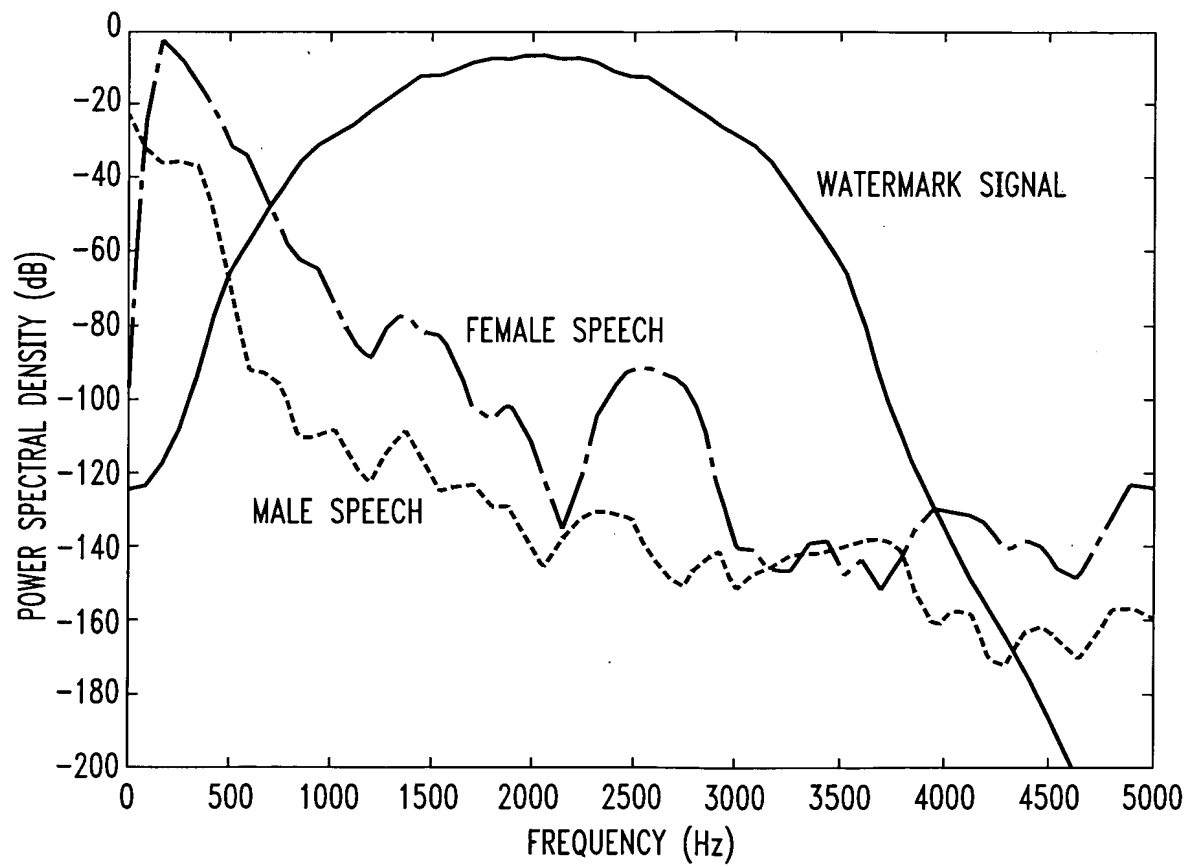


FIG. 1



*FIG. 2*

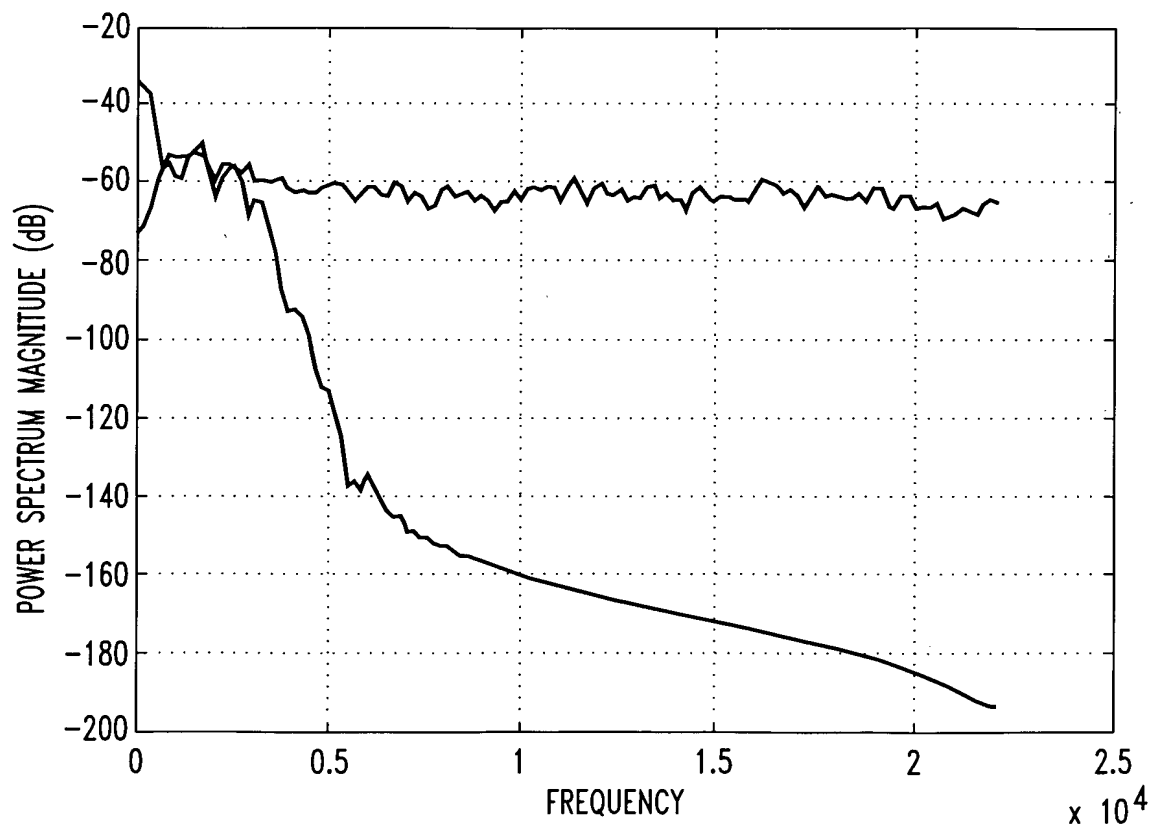


FIG. 3A

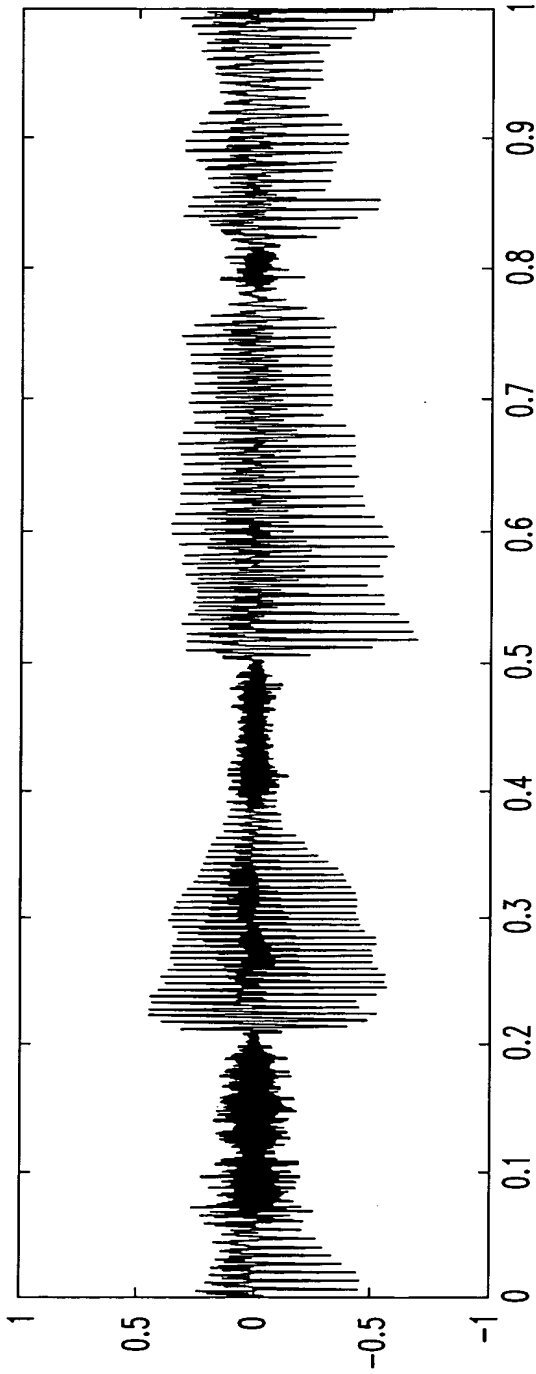
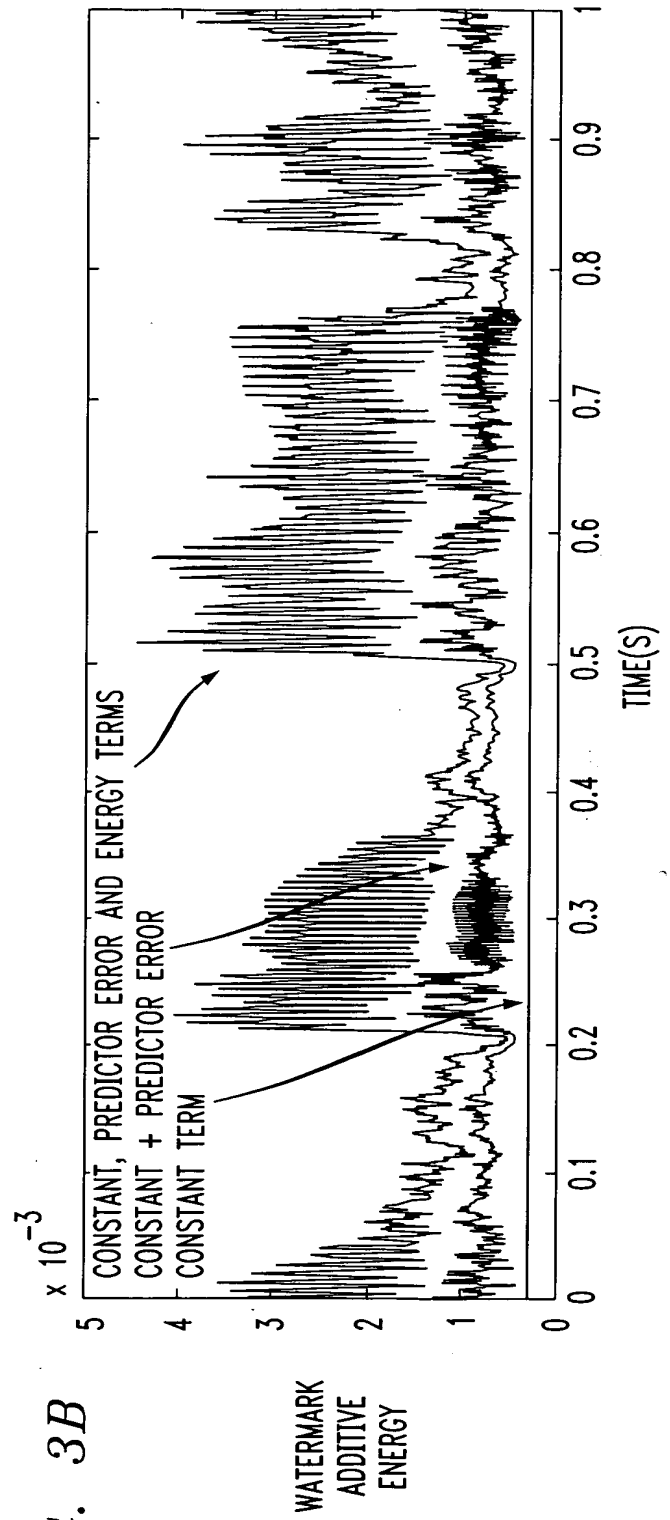
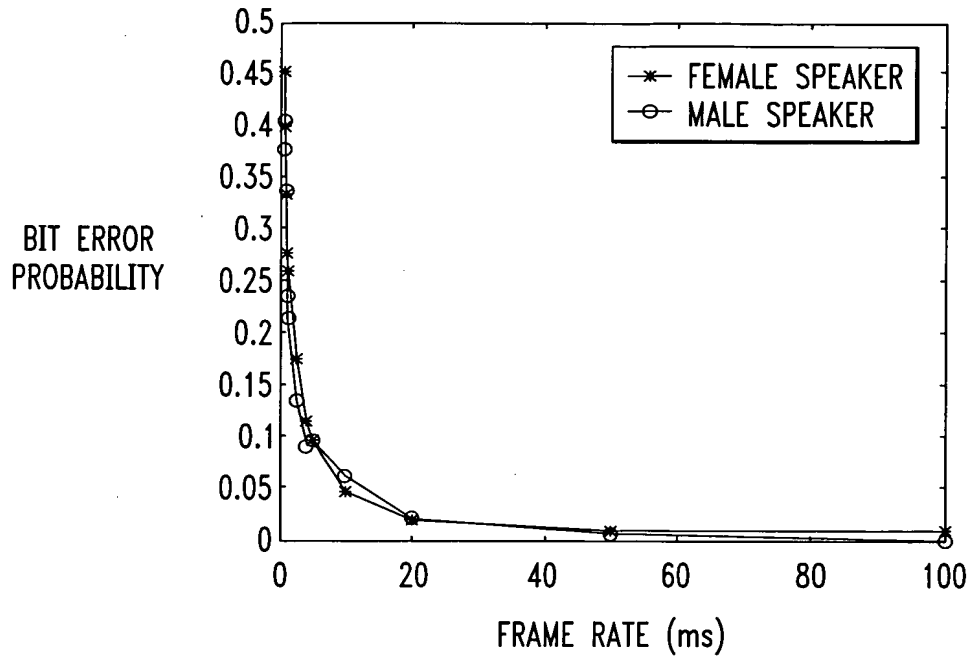


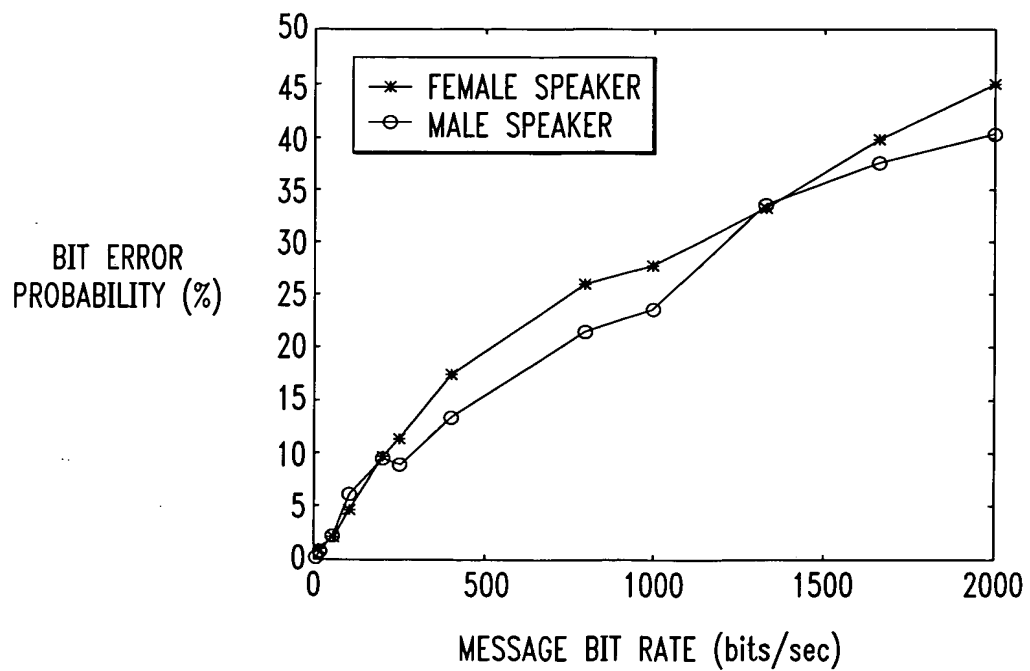
FIG. 3B



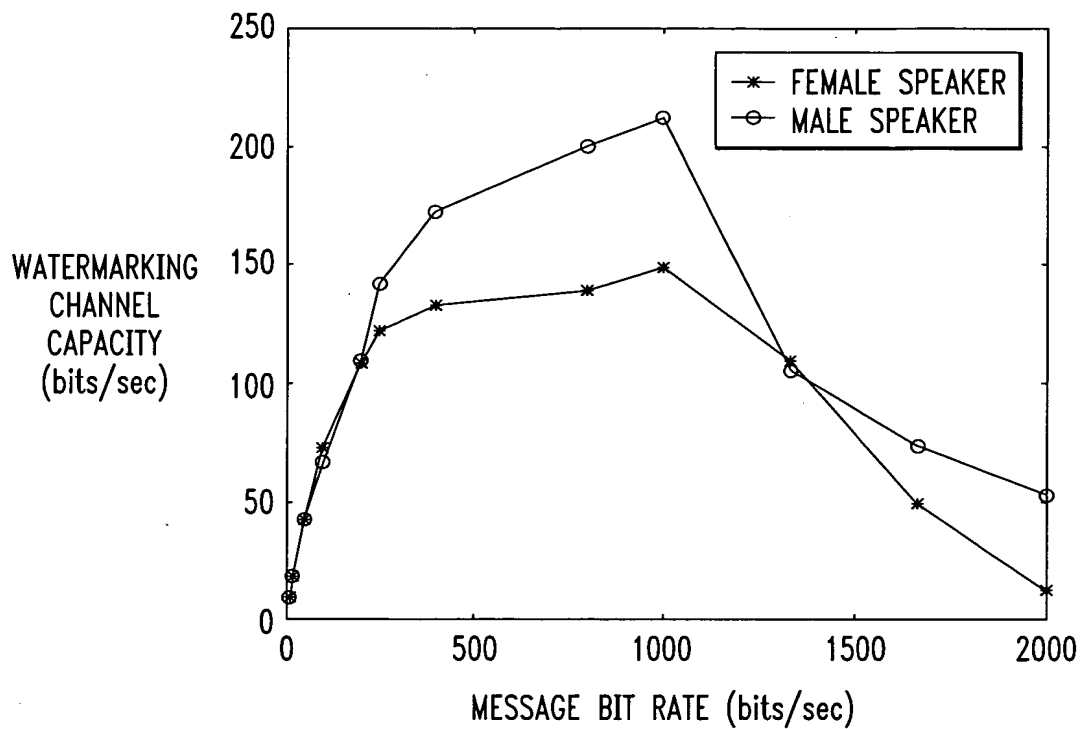
*FIG. 4A*



*FIG. 4B*



*FIG. 5*



*FIG. 6*

COMPRESSION SCHEME	SPEECH BANDWIDTH	SPEECH BIT RATE	WATERMARK BIT RELIABILITY
16 BIT LINEAR PCM	22 kHz	706 kbps	74.05%
16 BIT LINEAR PCM	4 kHz	128 kbps	71.58%
IMA ADPCM	4 kHz	32 kbps	68.65%
GSM 6.10	4 kHz	13 kbps	61.23%

FIG. 7

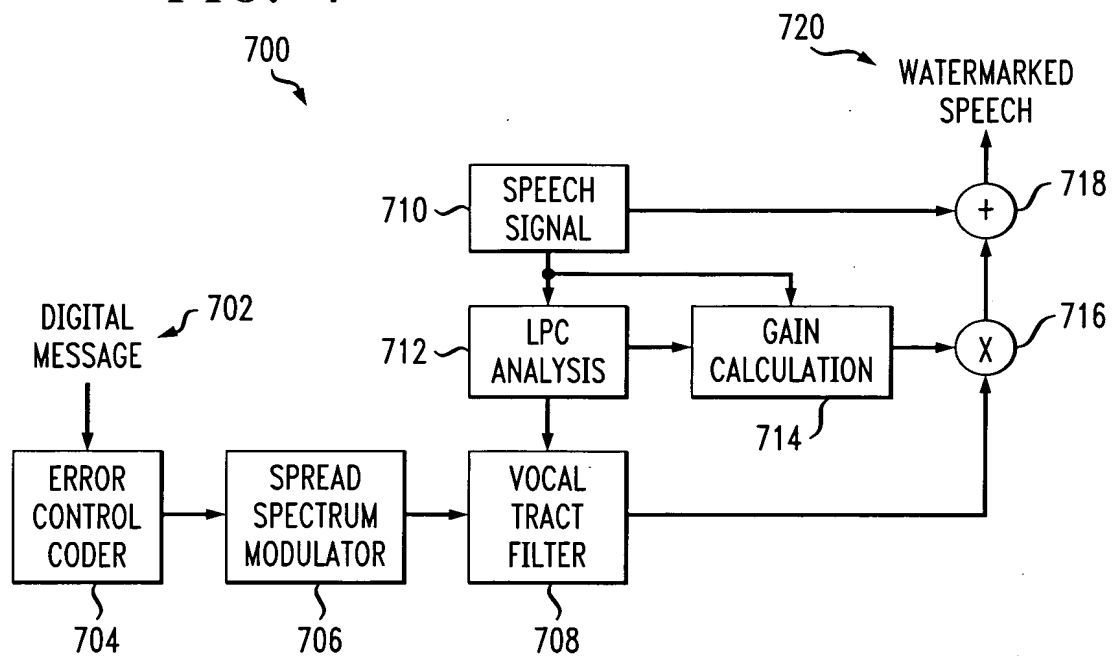


FIG. 8

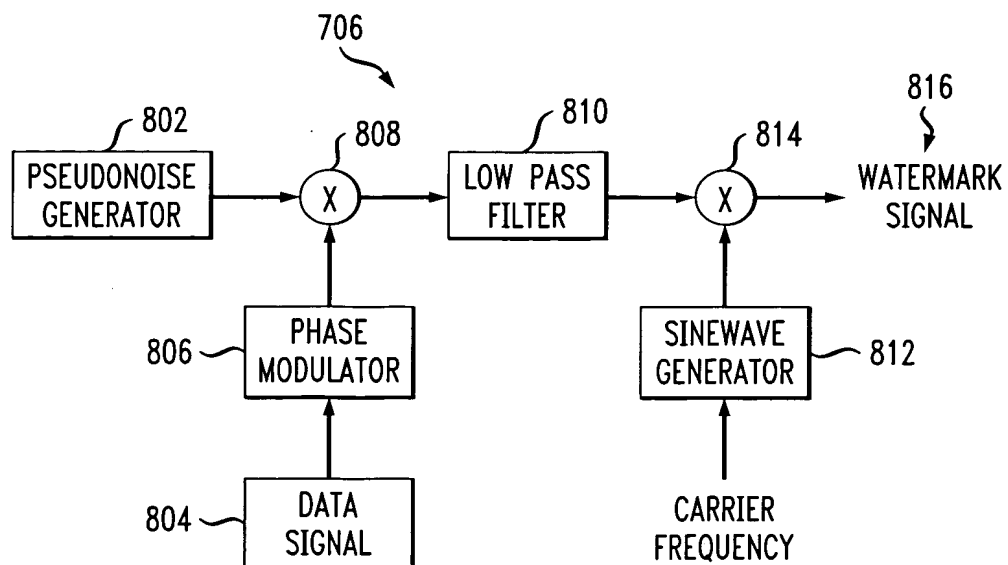


FIG. 9

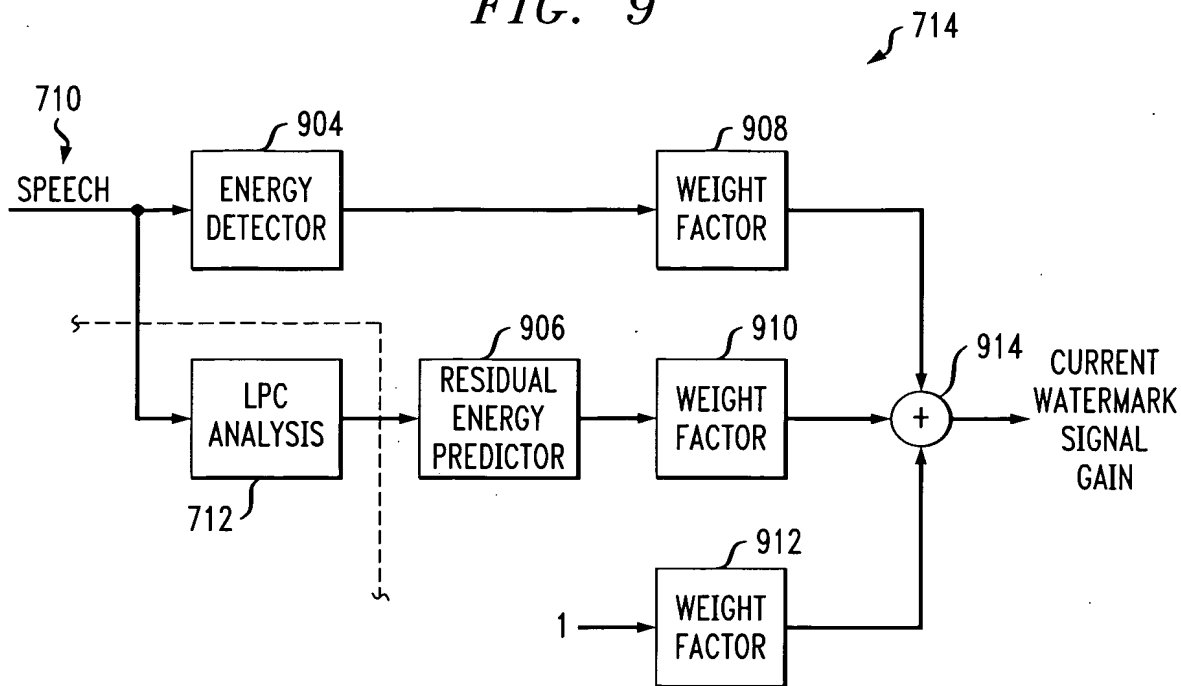
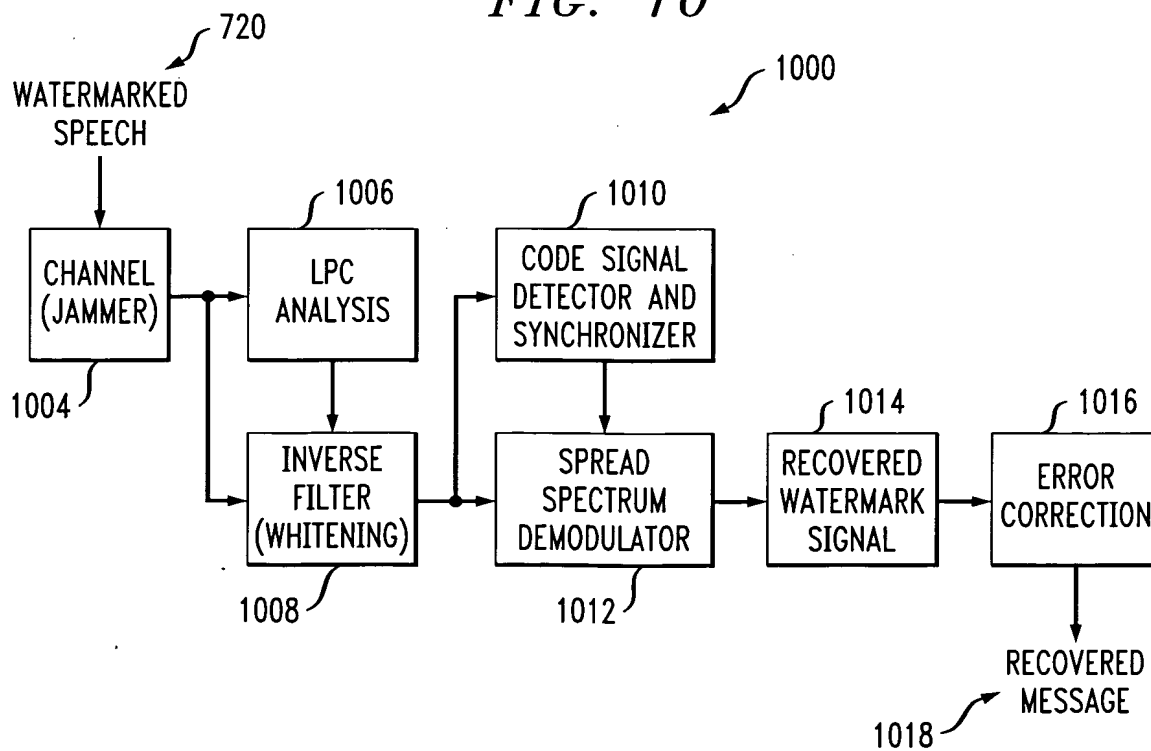
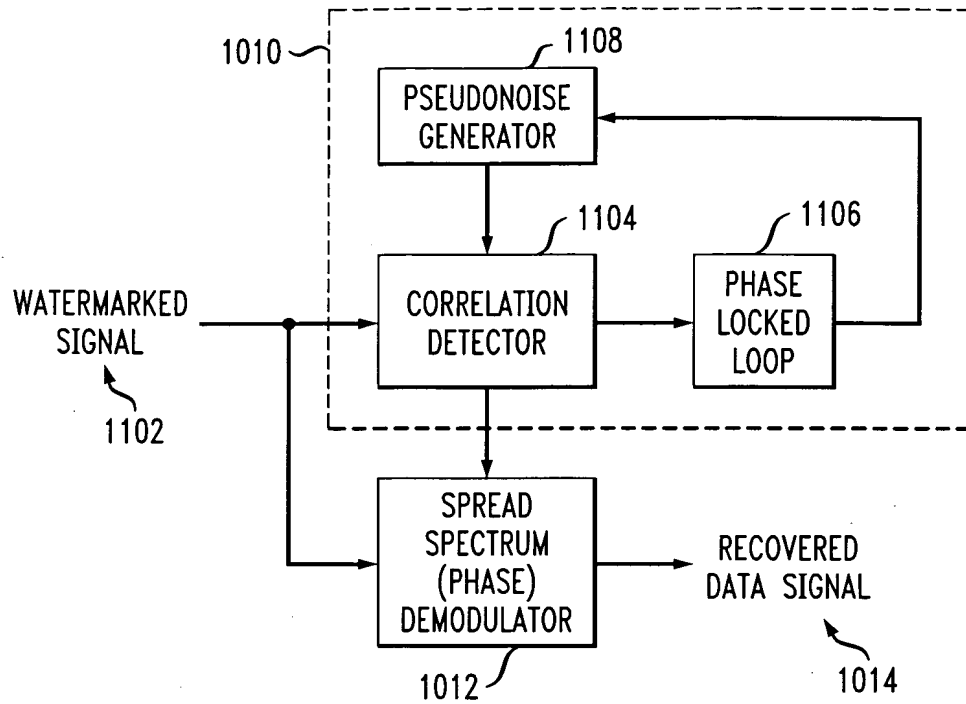


FIG. 10



*FIG. 11*



*FIG. 12*

